

IN THE CLAIMS

The claims of the present application are set forth below, amended as shown by the markings.

Claims 1 - 13 (Cancelled)

14. (Currently Amended) A method for signature-by-signature editing of print data, comprising the steps of:
editing the print data for printing on at least one sheet in a logical page sequence corresponding to at least one signature, said at least one signature forming a section of a printed product and including a plurality of pages;
defining at least one parameter of a recording medium on which the print data are printed and that is relevant for a position of a print image on the recording medium folded in signatures;
implementing a position correction of the respective print image on the pages before printing dependent on said at least one parameter; and
computationally simulating folds of said at least one sheet needed for producing said at least one signature with assistance of a computer program so that the print images of successive pages of the folded signature lie exactly registered above one another, the folds ensue in two directions perpendicular to one another, and said position correction ensues in the two directions perpendicular to one another, the print data being provided on a web shaped carrier.

15.(Previously Presented) A method according to claim 14, wherein said step of computationally simulating simulates the folds of the signature for said position correction; and
further comprising the step of:
calculating correction values for the print image of a page from an influence of each fold on a print image of at least one page.

16. (Previously Presented) A method according to claim 15, wherein said simulating step simulates the folds page-by-page with ascending or descending page number, and further comprising the step of:

forming pairs of successive page numbers that due to the signatures at least one of come to lie on one another as a result of a fold and between which a fold is provided due to the signature.

17. (Previously Presented) A method according to claim 16, further comprising the steps of:
carrying out a successive check out to see whether a physical fold of the sheet is possible as a result whereof the pages of a page pair of successive pages are arranged in reading sequence after the sheet is folded to form the signature; and
implementing a data-oriented fold when a fold is possible and entering the page pair in a list when a physical fold cannot be implemented.

18. (Previously Presented) A method according to claim 17, further comprising the step of:
processing page pairs present in the list with priority over other page pairs until a non-foldable page pair in the list is processed.

19. (Previously Presented) A method according to claim 14, wherein said parameter is a thickness of the recording medium.

20. (Previously Presented) A method according to claim 14, further comprising the step of:
binding all signatures of the printed recording medium that belong together to form a printed product.

21. (Currently Amended) A printing system, comprising:
at least one computer; and
a printer device connected to said at least one computer for implementing steps of:
editing the print data for printing on at least one sheet in a logical page sequence
corresponding to at least one signature, said at least one signature forming a section of a printed product and including a plurality of pages;
defining at least one parameter of a recording medium on which the print data are printed and that is relevant for a position of a print image on the recording medium folded in signatures;

implementing a position correction of the respective print image on the pages before printing dependent on said at least one parameter; and
computationally simulating folds of said at least one sheet needed for producing said at least one signature with assistance of a computer program so that the print images of successive pages of the folded signature lie exactly registered above one another, the folds ensue in two directions perpendicular to one another, and said position correction ensues in the two directions perpendicular to one another, the print data being provided on a web shaped carrier.

22. (Previously Presented) A printing system according to claim 21, further comprising:
at least one post-processing device that at least one of cuts and folds and binds a recording medium printed by said printer device to form a printed product.

23. (Previously Presented) A printing system according to claim 22, wherein binding ensues in signatures.

24. (Currently Amended) A computer program product for implementing steps of:
editing the print data for printing on at least one sheet in a logical page sequence corresponding to at least one signature, said at least one signature forming a section of a printed product and including a plurality of pages;
defining at least one parameter of a recording medium on which the print data are printed and that is relevant for a position of a print image on the recording medium folded in signatures;
implementing a position correction of the respective print image on the pages before printing dependent on said at least one parameter; and
computationally simulating folds of said at least one sheet needed for producing said at least one signature with assistance of a computer program so that the print images of successive pages of the folded signature lie exactly registered above one another, the folds ensue in two directions perpendicular to one another, and said position correction ensues in the two directions perpendicular to one another, the print data being provided on a web shaped carrier.

25. (Previously Presented) A computer program product according to claim 24, further comprising:

at least one of a data carrier and a datafile and a computer program module and a command sequence and a signal sequence.

26. (Currently Amended) A computer on which a computer program product is loaded to perform the steps of:

editing the print data for printing on at least one sheet in a logical page sequence

corresponding to at least one signature, said at least one signature forming a section of a printed product and including a plurality of pages;

defining at least one parameter of a recording medium on which the print data are printed and that is relevant for a position of a print image on the recording medium folded in signatures;

implementing a position correction of the respective print image on the pages before printing dependent on said at least one parameter; and

computationally simulating folds of said at least one sheet needed for producing said at least one signature with assistance of a computer program so that the print images of successive pages of the folded signature lie exactly registered above one another, the folds ensue in two directions perpendicular to one another, and said position correction ensues in the two directions perpendicular to one another, the print data being provided on a web shaped carrier.